# Specifications for the Gateway 400SD4 Notebook

Specifications are subject to change without notice or obligation.

## Processor and Core Logic

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| Processor options | ■ One Intel® Celeron™ CPU<br>-OR-<br>■ One Intel® Pentium 4™ CPU<br>To determine your notebook's processor, click **Start**, **My Computer**, then click **View System Information**. The processor is listed. |
| Processor packaging | Intel socketable FCPGA2 |
| Level 2 cache | ■ 128 KB for Celeron CPU<br>■ 512 KB for Pentium 4 CPU |
| Core logic | Intel 845MZ chipset (MCH-M+ICH3-M) |
| Processor side bus speed | 400 MHz front side bus |
| BIOS | ■ Phoenix BIOS<br>■ 512 KB Flash ROM<br>■ SMBIOS 2.3 support<br>■ Advanced Configuration and Power Interface 1.0b (ACPI 1.0b) support<br>■ Advanced Power Management 1.2 (APM 1.2)<br>■ Wired for Management 2.0 (WfM 2.0) |

## System memory

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| Memory type | 266 MHz DDRAM system memory |
| Memory expansion options | ■ Two 200-pin industrial standard DDR-SODIMM sockets<br>■ Accepts two PC 2100 DDR memory modules<br>■ 512 MB maximum system memory<br>■ No on-board memory<br>To determine your notebook's memory, click **Start**, **My Computer**, then click **View System Information**. The memory is listed. |

## Video

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| Graphics controller | • ATI M6-P<br>• 256-bit 3D and 2D graphics accelerator<br>• Support 64-bit DDR SDRAM<br>• ACPI compliant |
| Video memory | 32 MB DDRAM |
| LCD display panel | 14.1-inch or 15.0-inch active matrix (TFT) LCD color display<br><br>Maximum panel resolution: 1024 × 768<br><br>Maximum color depth: 32-bit (16.7 million colors) |
| LCD supported video modes | 14.1-inch: XGA<br>15.0-inch: XGA |
| LCD maximum refresh rate | 60 Hz |
| Controls | • Brightness level selectable through Fɴ keys (up, down)<br>• Auto dim on battery<br>• Auto bright on AC power |
| External video | Supports dual display and dual view |
| External CRT resolutions | Supports standard IBM VGA compatible modes<br>Maximum resolution: 2048 × 1536 × 32-bit colors |
| External CRT maximum refresh rate | 200 Hz |
| IEEE 1394 | • One 4-pin connector<br>• 100/200/400mbps<br>• Supports video and audio capture<br>• Software included for motion and still-frame capture |

**Audio**

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| Audio chipset | ESS ES 1988 |

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| Sound support | ▪ Multi-stream Direct Sound and Direct Sound 3D acceleration<br>▪ SoundBlaster Pro, MIDI, Windows Sound System compatible, MP3, WMA<br>▪ Advanced Configuration and Power Interface 1.0 (ACPI 1.0) compliant<br>▪ Advanced Power Management 1.2 (APM 1.2) compliant<br>▪ PCI Power Management Interface (PPMI) 1.1 compliant<br>NOTE: This notebook does not have an internal microphone. |
| Volume controls | ▪ Volume control keys on keyboard<br>▪ Software control provided through Windows |
| Internal speakers | ▪ Stereo speakers built into palm rest<br>▪ 0.5 W maximum output |
| Audio jacks | ▪ Stereo headphone output<br>▪ Monophonic microphone input |

**Communications**

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| Modem features | ▪ Integrated V.92/56K data/fax modem<br>▪ Uses the RJ-11 jack on the left side of the notebook<br>▪ Supports Wake on Ring |
| 10/100 Mbps Ethernet interface features | ▪ Integrated IEEE 802.3 (10/100 BASE-TX) Ethernet interface<br>▪ Uses the RJ-45 jack on the left side of the notebook<br>▪ Supports Wake on LAN |
| Wireless Ethernet interface features (Factory installed option) | Agere ORiNOCO IEEE 802.11b network card installed in Mini PCI expansion slot<br>▪ Uses factory-installed internal antenna assembly<br>▪ 11 selectable channels<br>▪ 2412 MHz - 2462 MHz Direct Sequence Spread Spectrum<br>▪ 128 bit RC4 security |

**Input/Output (I/O)**

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| Keyboard | ▪ U.S. English keyboard<br>▪ Full-sized 86-keys<br>▪ 19 mm × 19 mm key pitch<br>▪ 3.0 mm keystroke |

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| Pointing device | ▪ Gateway EZ-Pad™ touchpad<br>▪ 4-button design |
| Programmable keys | Four programmable "hot keys" (default functions: launch e-mail, Web browser, help application, user definable) |
| Status indicators | ▪ Caps lock<br>▪ PAD lock<br>▪ Scroll lock<br>▪ Hard drive access<br>▪ Diskette drive access<br>▪ Optical drive access<br>▪ Power/Suspend<br>▪ Battery status |
| Input/Output (I/O) ports | ▪ Two USB (4-pin)<br>▪ Parallel (bi-directional, EPP, ECP)<br>▪ IEEE 1394 (4-pin)<br>▪ V.92, 56K Modem (RJ-11)<br>▪ 10/100 Ethernet (RJ-45)<br>▪ External monitor (VGA)<br>▪ Stereo headphone output<br>▪ Monophonic microphone input<br>▪ PC Card socket (Type II or Type III)<br>▪ DC input |
| PCMCIA | Accepts one Type II or Type III device<br><br>NOTE: This notebook does not support Zoom Video. |

## Storage

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| Hard drive controller | Supports up to Ultra DMA 100 and up to PIO mode 4 |
| Hard drive | ▪ User removable<br>▪ 2.5-inch diameter<br>▪ 9.5 mm height<br>To find the hard drive capacity, click **Start**, then click **My Computer**. Right-click the drive letter, then click **Properties**. The drive's capacity and available space appear. If the drive has multiple partitions (for example, C: and D:), add the capacities of each partition to determine the drive's total capacity. |
| Super I/O controller | ▪ NS PC87391 LPC super I/O controller<br>▪ Diskette drive controller<br>▪ IEEE 1284 compliant parallel port |

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| Diskette drive (factory installed option) | <ul><li>Supports 3.5-inch, 1.44 MB capacity diskettes</li><li>Data transfer rates up to 500 Kbps</li><li>Non-removable design</li></ul> |
| Optical drive | Available drives include:<ul><li>CD</li><li>DVD</li><li>CD-RW</li><li>Combination DVD/CD-RW</li><li>DVD-R/RW</li></ul>To determine the type of optical drive is in your system, examine the drive tray's plastic cover. A CD logo indicates a CD drive, a DVD logo indicates a DVD drive, a CD-R/RW logo indicates a recordable/rewritable CD drive, a DVD logo in combination with a CD-R/RW logo indicates a DVD drive that also is a recordable/rewritable CD drive, and a DVD-R/RW logo in combination with a CD-R/RW logo indicates a recordable/rewritable DVD drive that also is a recordable/rewritable CD drive. |

**Power**

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| Intelligent charger | Supports dynamic charge current to achieve the best charge performance |
| AC adapter | <ul><li>19 VDC, 4.74A, 90 W output</li><li>Automatically adjusts for 100 to 240 VAC, 50 to 60 Hz power source</li><li>Three-wire design</li><li>Includes power LED</li></ul> |
| Battery type | <ul><li>Removable Lithium Ion battery pack</li><li>Embedded controller inside to support smart battery</li></ul> |
| Battery capacity | 12-cell Li-Ion<ul><li>5.7 Ah</li><li>14.8 V</li><li>84 Wh</li></ul>8-cell Li-Ion<ul><li>4.2 Ah</li><li>14.8 V</li><li>62 Wh</li></ul>Battery life varies depending on configuration, programs, power management settings, and features used. Recharge time varies, depending on usage. |

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| Power management | ▪ Advanced Configuration and Power Interface 1.1 (ACPI 1.1) support<br>▪ SMBIOS 2.3<br>▪ PC 2001 compliant |
| Controls | ▪ Keyboard-activated pop-up display gives battery charge as a percentage remaining<br>▪ Icon on taskbar shows battery charge as a percentage remaining |
| Power switch | Power On/Off or Suspend/Resume (selectable in setup) |
| Reset hole | Resets whole system if notebook cannot be recovered by power switch |
| Lid switch | LCD On/Off or Suspend/Resume |

## Security

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| Passwords | ▪ Power-on password (2-level password support)<br>▪ Hard drive password |
| Physical | ▪ Main system memory compartment screw<br>▪ Mini PCI bay screw<br>▪ Kensington® security slot in notebook back |

## System software

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| Operating system | ▪ Microsoft® Windows® XP Professional<br>▪ Microsoft® Windows® XP Home Edition |
| System management | ▪ SMBIOS 2.3 BIOS support<br>▪ Advanced Configuration and Power Interface (ACPI) power management<br>▪ Support for Wake on LAN<br>▪ Support for Intel® LANDesk® Client Manager 6.0<br>▪ Wired for Management 2.0 (WfM 2.0) enabled |
| System compatibility | ▪ PC2001 specification<br>▪ Advanced Power Management 1.2 (APM1.2)<br>▪ Advanced Configuration and Power Interface 1.1 (ACPI 1.1) or later<br>▪ SMBIOS 2.3<br>▪ Windows Hardware Quality Labs (WHQL) certified |
| Quick boot | Supported |

## Physical specifications

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|---|---|
| Dimensions | **15.0-inch display** |
| | ~13.1 × 10.6 × 1.6 in. (W × D × H) |
| | ~334 × 275 × 42.5 mm (W × D × H) |
| | **14.1-inch display** |
| | ~13.1 × 10.6 × 1.58 in. (W × D × H) |
| | ~334 × 275 × 40 mm (W × D × H) |
| System weight | **15.0-inch display** (includes Diskette drive, CD drive, and 12-cell battery) |
| | ~7.53 lbs. |
| | ~3.41 kg |
| | **14.1-inch display** (includes Diskette drive, CD drive, and 12-cell battery) |
| | ~7.2 lbs. |
| | ~3.26 kg |
| AC adapter weight | 13 ounces (370 g) |

**Environment**

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| Operating temperature | 41$^{o}$F to 95$^{o}$F (5$^{o}$C to 35$^{o}$C) |
| Storage temperature | -4$^{o}$F to 140$^{o}$F (-20$^{o}$C to 60$^{o}$C) |
| Operating humidity | 20% to 80% relative humidity; no condensation |
| Storage humidity | 10% to 90% relative humidity; no condensation |
| Operating altitude, maximum | 8,000 feet at 59$^{o}$F (2,438 meters at 15$^{o}$C) |
| Storage altitude, maximum | 12,000 feet (3,658 m) |

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